

Emerson Climate Technologies
Integrated Products Division
60Hz Air - Cooled Unit Performance
Release Date:31/05/2012

Unit Model: FFAP-020Z-TFC-071
Compressor: ZS13KAE-TF5-118
Condenser: 066-0318-07 x 1
Fan Motor: 050-0319-01 x 2
Fan Blade: 083-0103-02 x 2
Unit Dimensions: 25.2``L x 34.1``W x 19.0``H

Refrigerant R-134a
Return Gas Temp. (°F): 40
Subcooling (°F): 5
Air Flow Rate (CFM) 1680
Fan Motor Power (Watt): 370
Unit Dwg. No: 496-5717-00

Performance: 90°F Ambient Air Temperature

<u>Evap Temp</u> <u>(°F)</u>	<u>Capacity</u> <u>(Btu/hr):</u>	<u>Power</u> <u>(Watts):</u>	<u>EER</u> <u>(Btu/Wh):</u>	<u>Cond. Temp.</u> <u>(°F)</u>	<u>Temp. Diff.</u> <u>(°F)</u>	<u>Refr. Pd.</u> <u>(Psi)</u>
0	5,710	1,250	4.6	101.9	11.9	2.2
5	6,450	1,280	5.0	103.1	13.1	2.9
10	7,240	1,310	5.5	104.4	14.4	3.4
15	8,090	1,350	6.0	105.7	15.7	3.9
20	9,010	1,380	6.5	107.2	17.2	4.5
25	9,990	1,420	7.0	108.7	18.7	5.1

Performance: 100°F Ambient Air Temperature

<u>Evap Temp</u> <u>(°F)</u>	<u>Capacity</u> <u>(Btu/hr):</u>	<u>Power</u> <u>(Watts):</u>	<u>EER</u> <u>(Btu/Wh):</u>	<u>Cond. Temp.</u> <u>(°F)</u>	<u>Temp. Diff.</u> <u>(°F)</u>	<u>Refr. Pd.</u> <u>(Psi)</u>
0	5,410	1,340	4.0	111.6	11.6	2.3
5	6,100	1,370	4.5	112.7	12.7	2.9
10	6,830	1,410	4.8	114.0	14.0	3.3
15	7,630	1,450	5.3	115.2	15.2	3.7
20	8,480	1,490	5.7	116.6	16.6	4.2
25	9,400	1,530	6.1	118.0	18.0	4.7

Performance: 110°F Ambient Air Temperature

<u>Evap Temp</u> <u>(°F)</u>	<u>Capacity</u> <u>(Btu/hr):</u>	<u>Power</u> <u>(Watts):</u>	<u>EER</u> <u>(Btu/Wh):</u>	<u>Cond. Temp.</u> <u>(°F)</u>	<u>Temp. Diff.</u> <u>(°F)</u>	<u>Refr. Pd.</u> <u>(Psi)</u>
0	5,060	1,440	3.5	121.4	11.4	2.2
5	5,700	1,470	3.9	122.4	12.4	2.7
10	6,390	1,510	4.2	123.6	13.6	3.1
15	7,120	1,550	4.6	124.8	14.8	3.5
20	7,920	1,590	5.0	126.1	16.1	3.9
25	8,770	1,640	5.3	127.4	17.4	4.4

Performance #: 8384

Performance: 120°F Ambient Air Temperature

<u>Evap Temp</u> <u>(°F)</u>	<u>Capacity</u> <u>(Btu/hr):</u>	<u>Power</u> <u>(Watts):</u>	<u>EER</u> <u>(Btu/Wh):</u>	<u>Cond. Temp.</u> <u>(°F)</u>	<u>Temp. Diff.</u> <u>(°F)</u>	<u>Refr. Pd.</u> <u>(Psi)</u>
0	4,650	1,540	3.0	131.0	11.0	2.2
5	5,240	1,580	3.3	132.1	12.1	2.7
10	5,870	1,620	3.6	133.2	13.2	2.9
15	6,550	1,670	3.9	134.4	14.4	3.2
20	7,270	1,710	4.3	135.6	15.6	3.6
25	8,050	1,750	4.6	136.9	16.9	4.0

Performance #: 8384